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In the Claims:

1. (Previously presented) Grinding apparatus (1) for processing an item that includes edges, roundings, and burrs (20), including a support arrangement (4) for a number of grinding heads (6) that each includes a grinding element (2) and a grinding motor (3) driving an associated grinding element (2), wherein the support arrangement (4) includes an endless conveying means (9) for the grinding heads (6), the conveying means (9) being moved in an annular course with at least one long side perpendicular to an underlying conveyor, by at least one moving motor (5) for establishing an epicyclic movement of the grinding elements (2) across the item that includes edges, roundings, and burrs (20) during operation.

2. (Previously presented) Grinding apparatus (1) according to claim 1, characterised in that the conveying means (9) is constituted by a number of drive chains or belts which are adapted for engaging with a drive wheel (11) driven by the moving motors (5).

3. (Original) Grinding apparatus (1) according to claim 1, characterised in that it includes an apparatus frame (7) in which the support arrangement (4) is adjustable in height arranged by means of a number of displacing force providers (12).

4. (Currently amended) Grinding apparatus according to claim 1, wherein the grinding elements are connected to the grinding motors with a movable universal shaft or shaft with a ball/bowl joint, whereby items with non-uniform thickness may be ground on the top side face, since the grinding elements will follow the contour of the surface of the item.

5. (Currently amended) Grinding apparatus according to claim 1, wherein first and second rows of the grinding elements are arranged to move in directions perpendicular to the direction of motion of an object on the underlying conveyor, wherein one or more grinding elements

rotate in a different direction than one or more other grinding elements, and wherein the second row of grinding elements rotate in a direction opposite to the first row of grinding elements.